(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau

on Sureau OMP



(43) International Publication Date 22 January 2004 (22.01.2004)

PCT

(10) International Publication Number WO 2004/007786 A2

- (51) International Patent Classification⁷: 45/10
- C22C 45/02,
- (21) International Application Number:

PCT/US2003/022522

- (22) International Filing Date:
- 17 July 2003 (17.07.2003)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/397,981

17 July 2002 (17.07.2002) US

- (71) Applicant (for all designated States except US): LIQUID-METAL TECHNOLOGIES [US/US]; 100 North Tampa Street, Suite 3150, Tampa, FL 33602 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): PEKER, Atakan [TR/US]; 17 Coffeeberry, Aliso Viejo, CA 92656 (US).
- (74) Agent: PECK, John, W.; Christie, Parker & Hale, LLP, Post Office Box 7068, Pasadena, CA 91109-7068 (US).

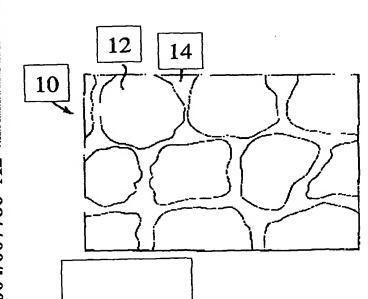
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF MAKING DENSE COMPOSITES OF BULK-SOLIDIFYING AMORPHOUS ALLOYS AND ARTI-CLES THEREOF



(57) Abstract: A method of making composites of bulk-solidifying amorphous alloys, and articles made thereof, containing at least one type or reinforcement material, wherein the composite material preferably comprises a high volume fraction of reinforcement material and is fully-dense with minimum porosity are provided.

